PROJECT 10073 RECORD

		.C. 100/0 NECONO	the state of the s
1. DATE - TIME GROUP 7 April 49 07/1015Z	2. LE TION	Des Moines, Iowa	317
3. SOURCE Civilian 4. NUMBER OF OBJECTS	10. CONCLUSION Oth	er (UNRELIABLE REPORT)	
One 5. LENGTH OF OBSERVATION Not Reported		light which gave off a lig	
6. TYPE OF OBSERVATION Ground-Visual	The object was	stated that it appeared signoving North.	
7. COURSE North		ated that observer appeared was not sure were correct.	
8. PHOTOS O Yes O No			
9. PHYSICAL EVIDENCE D Yes No			

FTD SEP 63 0-329 (TDE) Previous aditions of this form may be used.

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-			
Tno	ident	Mo.	
-	Tarin	710 .	

3. Local flight schedules of commercial, private and military aircraft flying in vicinity at the time: (Check Canadian activity if close to border)

Mid-Continent Airlines-none scheduled and nothing unusual reported

United Air Lines-none scheduled and nothing unusual reported

4. Possible releases of testing devices in vicinity sent aloft by Ordnance, Navy, Air Force, Army, Neather Units, Research Organizations or any other; obtain computed or observed trajectory of device (the-dolite, radar readings, etc.)

None in vicinity

5. If object contacted earth, obtain soil samples within and without depression or spot where object landed for purposes of making comparison of soils.

Not applicable

- 6. Obtain photographs (or original negatives) where available; if not, secure sketches of:
 - a. Object
 - b. Surrounding terrain where object was observed
 - c. Place where object contacted earth (if this happened)
 - d. Maneuvers
 - e. Formation (if more than two)

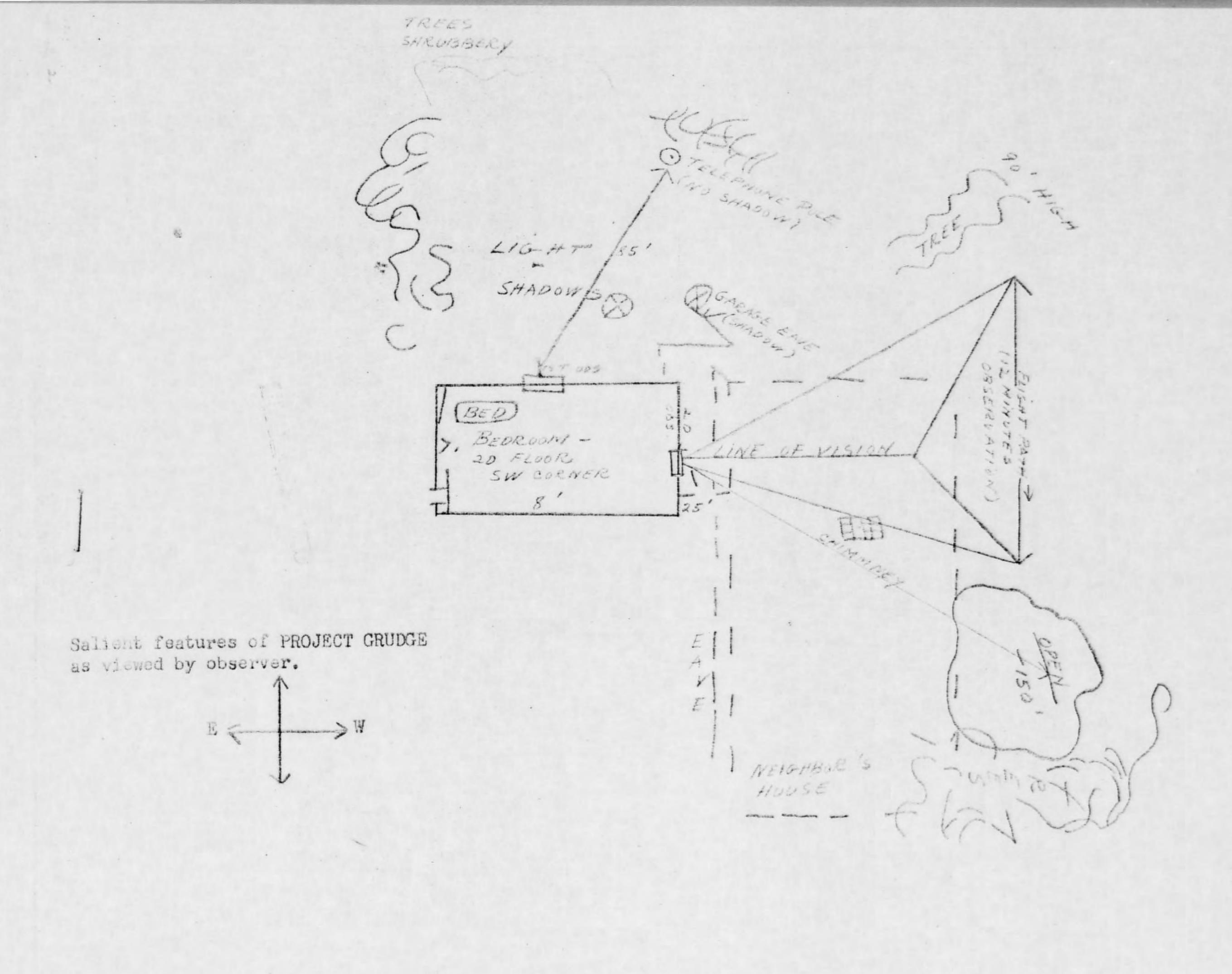
Observation was made from an upstairs bedroom on 2d floor of an average American freme home in an average city neighborhood.

7. Secure signed statements.

None

8. Obtain fragments or physical evidence where possible.

None



IT WAS GOING NORTH NORTH FIRE SOLIDLY ENCLOSED CONE OF THESE LOWER TWO WAS BRIGHT PURPLE.

VIEWED FROM THE EAST

FILE NO. 24-32	6 July 1949
FRANK A. GAI	LAGHER
DO #13, Offutt AFB	
PERIOD 20, 21 June 1949	
DO #5, W/PAFB, Dayton, Ohio	
STATUS	
	24-32 FRANK A. GAI REPORT MADE AT DO #13, Office of origin DO #5, W/PAI STATUS

SPECIAL INQUIRY

REFERENCE

Report of S/A HARRY FYVIE, DO #5, File No. 5D 24-21N, dated 26 May 1949 SYNOPSIS

> Investigation reveals that Mr. Des Moines, Iowa, is eccentric, has been a source of trouble in the neighborhood, and is capable of giving information that does not exist. stated he first witnessed the phenonema at 0415 hours, 7 April 1949. . described the object as being twice the size of a full moon, reddish, yellow, and purple in color, resembling a scoop. The object was about four (4) inches over two (2) feet in length and was less than two (2) feet wide,

> > DOWNGRADED AT S VILLE NTERVALS:
> > DECLASSIFIED YEARS.
> > DOD DIV SEARS.

4.		
DO #5 (3 Incls) 4 Hq OSI (2 Incls) 2 File (3 Incls) 2	ACTION COPY FORWARDED TO Commanding General Air Materiel Command Wright-Patterson Air Force Barbayton, Ohio ATTN: MCIAKS	ASE
	APPROVED RICHARD J. BOND Captain, USAF Deputy District Commander.	

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE

UNCLASSIFIED

5D-OSI/HF/mrr

THE INSPECTOR GENERAL, USAF
STH DISTRICT OFFICE OF SPECIAL INVESTIGATIONS
WRIGHT-PATTERSON AIR FORCE BASE, DAYTON, OHIO

IN HEPLY REFER TO: 5D 24-21N

27 July 1949

SUBJECT:

PROJECT GRUDGE

Incident, Des Moines, Iowa

7 April 1949

TO:

Commanding General
Air Material Command
Wright-Patterson Air Force Base
Dayton, Ohio
ATTN: MCIAXS

- 1. Reference is made to R & R, your office, dated 20 May 1949, requesting investigation of unidentified aerial phenomena at Des Moines, Iowa, on 7 April 1949.
- 2. Forwarded for your information is the final report of Special Agent FRANK A. GALLAGHER, OSI District Office No. 13, dated 6 July 1949.
- 3. Your attention is invited to Paragraph 11 of Air Force Regulation 205-6, dated 18 May 1949, which prohibits the disclosure of the nature, sources or existence of investigative information to unauthorized persons.

4. The files of the 5th District Office of Special Investigations are being closed in this case.

1 Incl: (in dup)
R/I DO#13 dtd 6 Jul 49

Copy to: Hq OSI

JEROME M. BRAUN

Acting District Commander

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Western LICT HIS LOW

Hame and address of observer:Mr. Management to the first of the state of Des Moines, Towa

Occupation and hobbies: None

Comments of Interrogator relative to intelligence and character of observer(s):

Observer is eccentric and a constant source of trouble in neighborhood and capable of dreaming up things which don't exist.

MARR TIVE SUMMERY: . . . 4. Mr. Mr. Mr. Mr. Market Market Des Moines, Iowa, retired. was interviewed on 20 June 1949. Mr. Will stated that he was awakened from a sound sleep by a terrifying light shining through his blinds on 7 April 1949 at 0415 hours. Is a stated that he watched the light from his bed and that it gave off a light brighter than day. It at stated that he could see shadows in his back yard, especially the eave from the garage next door, but that it gave or cast no shadow from the telephone pole to the rear of his house. He (the the got up and went to the window on the west and watched the light until it disappeared behind the neighbor's house and chimney. a stated that he awakened no one in the house because they have two roomers who have t go to work early, and sino a young grandchild who, if awakened, will not go to sleep again. stated that when he was a young boy fourteen years old he looked directly into a sun spot, and that this phenomena in the sky is the closest thing he has seen to the sun spot. It attated that looking into that sun spot has left a lasting impression on him but that he had not thought about it until this happened the other night. The called the local paper and told them about it and that he didn't mind a little publicity if they would report the truth as he saw it and not make it appear that he () had seen a "flying saucer." A stated that he has read articles about aerial phenomena and that the last article he read had given the address to which correspondence concerning unusual activity should be sent. And reported the incident to the newspaper before he communicated with Wright Field. Misk stated that no one from the newspaper had come to see him. The object was moving north and stated he had to get on his knees to see out his window and over the roof of the house next door on the west. ATTAN stated that the shadow on his bedroom floor was moving south and that the light was so intense that it shown through his blinds which are heavy, green, non-transparent blinds.

AGENT'S NOTE: The appeared to be making statements which he was not sure were correct. When the writer remarked about them, would counter by asking if his statements were not correct. It is grandchild was present and this appeared to make the interview very uncomfortable for the care. The grandchild was asking questions and the appeared desirous of having the child out of the room.

1. Date of Observation 7 April 1949 Date of Interview 20 June 1949

2. Exact Time (local) 0415

3. Place of Observation Des Moines, Iowa

4. Position of observer In bad on 2nd floor of home.

5. What attracted attention to object Terrifying light shining through window.

6. Number of objects

7. Apparent size Twice full moon

8. Color of object Top four-fifths Reddish, yellow and purple.

9. Shape Resembled grocery sugar scoop.

10. Altitude 30° 350°

11. Direction from observer First seen WSW, last seen NNE

12. Distance from observer 200 Feet

13. Direction of flight of object(s) North

14. Time in sight 12 Minutes

15. Speed Very slow, traveled 35° in 12 minutes.

16. Sound and odor None.

17. Trail

18. Luminosity Brighter than day.

19. Projections None

20. Maneuvers Straight flight

21. Manner of disappearance. Behind obstacle

22. Effect on Clouds Home noticed

23. Additional information concerning object See Agent's note on 2nd Page.

24. Weather Conditions No adverse weather conditions or light.

(over)

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BRULLDA

CR052

Project "Grudge" 517

50 03I

ALE: Mr. Morrill

MCIAIS

20 Day ...9

*

1. It is requested your office initiate an investigation of the unidentified aerial phenomena reported by inclosed latter.

d. As an aid to the investigating officer in recording the desired data 2 copies of our "Guide to Investigation are also forwarded.

5 Incla

Lu La Do Lr. (1 cy)

2. Lefr Mr. (1 cy)

3. Guide to investigation (2 cys)

Colonel, USAF Chief, Analysis Division Incelligence Department blag dos

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STABLE

I'm week war of it has not a more than

MCIANS

Mr. M. L. Ahern 2900 Butland Avenue Des Moines, Iowa

Dear Sir:

Receipt of your letter dated Li May 1949 is respectfully acknowledged by this Readquarters.

The unidentified aerial phenomena reported by your letters has been made a matter of record and will be incorporated into the present study on this subject.

Should additional information regarding this incident be desired correspondence with you will be directed to the above address.

Your action in reporting this incident to the proper authorities is appreciated.

Yours very truly,

W. R. CLINGERMAN Colonel, USAF Chief, Analysis Division Intelligence Department

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GWT FILE COPY

119149

Des Moines, Iowa UNCLASSIFIED May 14, 1949

Technical Intelligence Division, Air Materiel Command Headquarters, Wright-Patterson Air Force Base. Dayton, Ohio.

Gentlemen:

About 4:15 a. m. Thursday, April 7th, I was awakened by the brightest light I have ever seen.

It was not a ball of fire racing through the sky. It was moving so slow it appeared to be standing still. The only way that I could tell it was moving was to note the space between it and the roof of my neighbor's house, 25' west of me. It passed west of that roof, going north.

There was a straight line on the back of the thing. It was divided into two apartments. The upper apartment was three times as large as the lower apartment. They were separated by a straight line. The lower apartment was divided into several different apartments, all the same size, all a different color, and all had straight sides. The whole thing was inclosed in something like plass. I did not see any opening nor did I hear any no se.

The upper agartment was a raging fire. The fire seemed to start at the point where I started the arrow, race up to the ceiling, then turn around and around. When the fire hit the celing it always turned towa a the back and then down.

The moment I saw it I was satesfied it was man made. It was the most heinous looking thing I have ever seen. I don't think it was more than 200 feet from me. Please find enclosed a rough sketch of the thing. This thing did not resemble the "saucers" (I saw three saucers last October about 2:30 P.M. The day was perfect. They were north east, a little east of overhead, the sun was south west. The sun was shining on them. They were going north, not very fast.

At first glance they seemed to be bobing along, but I noticed they seemed to have rhythm. Then I could see that they were fastened together, by a stout crooked axis, about two feet apart. The axis was traveling and ways. They seemed to be rotateing, with the axis, at a terrific speed. This speed, plus the position of the saucers on the axis, seemed to hold it up and move it forward. It seemed to bore through space just like an auger. I saw no tail, no wings no light.)

This thing that I saw, April 7, moved straight, steady and very slaw, it had a very think bear pass of some thing like iron. Tours very Truly.

M. L. Ahern 2900 Rutland Ave

UNCLASSIFIED

FILE NO. DATE HEADQUARTERS UNITED STATES AIR FORCE 5D 24-21N 26 May 1949 THE INSPECTOR GENERAL OFFICE OF SPECIAL INVESTIGATIONS REPORT MADE BY REPORT OF INVESTIGATION HARRY FYVIE blk ITLE REPORT MADE AT DO #5, W/PAFB, Dayton, Ohio PERIOD PROJECT "GRUDGE" 26 May 1949 Incident, Des Moines, Iowa OFFICE OF ORIGIN DO #5, W/PAFB, Dayton, Ohio 7 April 1949 STATUS PENDING

CHARACTER ECIAL INQUIRY

REFERENCE NONE. This is an initial report.

SYNOPSIS

Investigation requested by R & R from MCIAIS, Headquarters Air Materiel Command, dated 20 May 1949, to obtain detailed information from witnesses, weather and research agencies concerning the sighting of unidentified aerial phenomena at Des Moines, Iowa on 7 April 1949.

DOWNGRADED AT YEARS

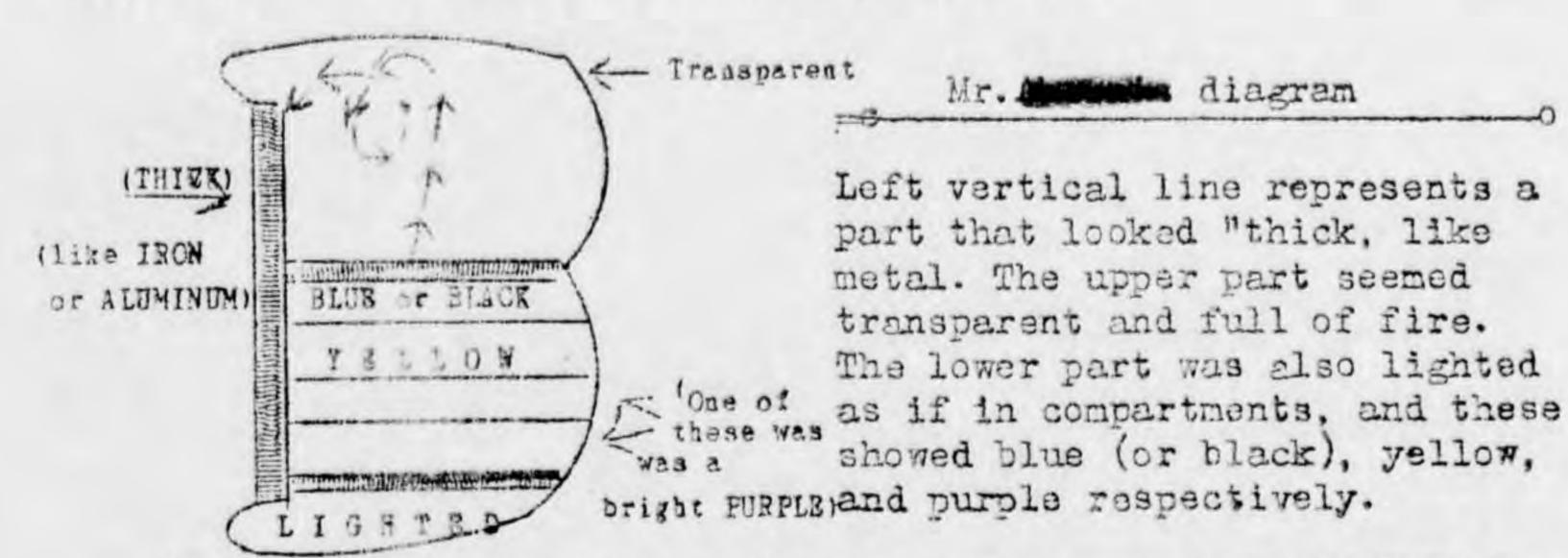
Lower Two, I bright purple, but I don't himour

DESCRIPTION OF A "FIREBALL"

by Dr. William Nothdurft.

In the early morning of April 7, 1949, at about 4:15 - 4:30 a.m., there appeared over Des Moines, Iowa, a strange object. This was two days after the various appearances over Salt Lake City and northward.

The object was evidently first seen by a Mr. And the west) was up about four inches; the light that came through this small opening was so bright that it awakened him, and he went to the window, spent several moments examining the object, then lay down on his bed again to determine by its shadow whether it was moving*. The shadow (or, the light on the floor) was moving southward. Then he went to the window again and watched it as it slowly disappeared behind the house next door. The object was thus travelling north and was west of the observer. "It was the most heinous thing I have ever seen in my life" says Mr. Ahern; and he drew a sketch of the way it looked:



At about the same time, a Mrs Indiany, Indianatal, some 40 blocks west of Mr. Was startled by a brilliant light high in the sky toward the S.SW. Fire "trailed from it like a Roman candle" but the illumination was very brief. Both Mrs. British and Mr. seemed to me to be perfectly normal people and not unduly excited by their experiences.

From my interviews with people in Waterloo last fall regarding the discs that were seen here in July 1947, and from newspaper clippings, especially from Iowa, I have learned that similar phenomena are usually seen over a certain kind of terrain, either around a hilly section, or river bottoms where great sink holes are, and always with thick vegetation and undergrowth. In Waterloo, this section of Des Moines, and in Exline, Iowa (where a disc was seen May 5th last), there are rivers. In the light of this, I am wondering if this object seen over DesMoines was not going slowly over this hilly section looking for something, and whether the flash noted by Mrs Bubany might not have been a flare; the the Utah stories reported not only explosions that were seen but that were also felt. Always travelling north? Over DesMoines and Exline, Ia. over Utah, and over Oakland, Calif.—all were travelling northward.

Zelienople, Pa.

I3 July I949

TATA

Project Saucer, Wright-Patterson Air Force Pase, Dayton, Ohio

Gentlemen: -

I hope, sincerely, you to not think I am boring you with my occasional and small contributions.

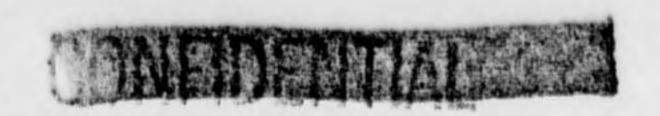
I falt very badly about Shalettle mentioning my little theory regarding the "saucers". He certainly had not asked my permission, and I really believe it gave the reader the impression that one takes his life and reputation in his hands to dare write you in confidence, lest he be held up in absolute public ridicule. My "reply" to Shalett in the Saturday Evening Post's "Letter" section was, due to deletion and butchering, made quite impotent, --perhaps in keeping with the joking attitude the Post's writer Shalett inaugurated in his fiasco entitled "What You Can Felieve About the Flying Saucers". Paxton made my "dovetail" into "dovetailing" and made it appear that I had forgotten to begin one sentence with "Then--". Actually, a sticker for accuracy, I had checked and rechecked my letter before I submitted it to the Post.

As things now stand, I am a martyr to my convictions, and only time may vindicate me. Believe you me, I as firmly hold today, as I did when I first wrote you in July II, I947, that the "saucers" are extra-terrestrial "ghost-objects' propelled by telekinetic energy and caused to remain stationary in mid-air by revitation, Excuse the title of the magazine (I hate the esoteric) but FATE, IS9 N. Clark Street, Chicago 2, Illinois, will print my article "The Mystery of Borley Rectory" tentatively scheduled to appear in the November I949 issue, I have, in that article, stm-marized Harry Price's findings relating to the paranormal influence menifested in the Borley Rectory hauntings, and you will see NEY I believe absolutely in the etheric.

You may keep the enclosed Material.

Sincerely

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5D 24-21N PROJECT CRUDCE

DETAILS:

1. Investigation requested by Routing & Record Sheet from MCIAIS, Headquarters Air Material Command, dated 20 May 1949, to obtain detailed information from witnesses, weather and research agencies concerning the sighting of unidentified aerial phenomena at Des Moines, Iowa on 7 April 1949.

AT WRIGHT-PATTERSON AFB

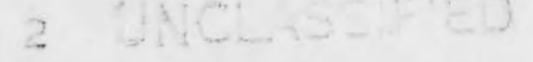
2. Files of this office contain a letter, dated ll May 1949, from 2900 Rutland Avenue, Des Moines, Towa in which the writer states that he sighted an unusual and unidentified aircraft at 0415 hours, 7 April 1949.

INCLOSURES

FOR DO #13, OFFUTT AFB AND HEADQUARTERS OSI

- 1. Quide to Aerial Phenomena Investigation (in dup)
- 2. Copy, letter from M. L. AHERN (in dup)

PENDING





ONEHDENTIALS

5D 2L-21N PROJECT GRUDGE

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UNDEVELOPED LEAD

DISTRICT OFFICE NO. 13, OFFUTT AFB

AT DES MOINES, IOWA

Weather and research agencies will be contacted and witnesses interviewed relative to the sighting of aerial phenomena at Des Moines, Iowa on 7 April 1949. Inclosed guide will be used for reference. has left a lasting impression on him but that he had not thought about it until this happened the other night. It called the local paper and told them about it and that he didn't mind a little publicity if they would report the truth as he saw it and not make it appear that he (a) had seen a "flying saucer." It stated that he has read articles about aerial phenomena and that the last article he read had given the address to which correspondence concerning unusual activity should be sent. In reported the incident to the newspaper before he communicated with Wright Field. It stated that no one from the newspaper had come to see him. The object was moving north and it stated he had to get on his knees to see out his window and over the roof of the house next door on the west. It stated that the shadow on his bedroom floor was moving south and that the light was so intense that it shown through his blinds which are heavy, green, non-transparent blinds.

AGENT'S NOTE: appeared to be making statements which he was not sure were correct. When the writer remarked about them, would counter by asking if his statements were not correct. The grand-child was present and this appeared to make the interview very uncomfortable for the grandchild was asking questions and appeared desirous of having the child out of the room.

5. The name files of the Police Department, Des Moines, Iowa, and the Sheriff's Office, Polk County, Des Moines, Iowa, were examined and revealed no derogatory information concerning

Inclosures:

FOR DO #5, WRIGHT-PATTERSON AFB

- 1. Cy of "Guide to Investigation. Unidentified Aerial Objects."
- 2. Sketch showing salient features of Project "GRUDGE" as viewed by
 - 3. Sketch showing was description of aerial phenomena.

FOR HEADQUARTERS OSI

- 2. PSketch showing salient features of Project "GRUDGE" as viewed
 - 3. Sketch showing America description of aerial phenomena.
 - REFERRED UPON COMPLETION TO THE OFFICE OF ORIGIN -

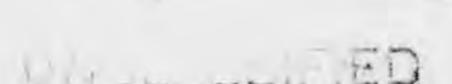
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DETAILS:

UNCLASSIFIED

AT DES MOINES, IOVA

- 1. Mrs. IOIS M. WALTON, 2910 Rutland, Des Moines, Iowa, house-wife and private nurse, was interviewed on 20 June 1949. Mrs. WALTON stated that she has known Mr. M. L. AHERN for three years as a neighbor, and that from her observation of him, he (AHERN) appears and acts odd. Mrs. WALTON also stated that Mr. AHERN has caused trouble in the neighborhood and that she would not put it past AHERN to think up something unusual for a bit of publicity.
- 2. Miss OSIE TAYLOR, 2906 Rutland, Des Moines, Iowa, saleslady, was interviewed on 20 June 1949. Miss TAYLOR stated that she has known Mr. AHERN for nine years as a neighbor and has found him to be odd and eccentric. Informant also stated that she stays away from AHERN because he has caused trouble in the neighborhood. Informant stated that AHERN has a feeling that some of his property may be taken away from him, as some of the neighbors had their lots surveyed and in the surveying it was determined that the lot stakes were not exactly right. The neighbors were entitled to a few more feet of land. This caused AHERN a great deal of concern as he felt that this would revert down the line until he would be the last and that some of his land would be taken away from him. AHERN is hot headed and is capable of giving information that does not exist.
- 3. Miss MELISSA TAYLOR, 2906 Rutland, Des Moines, Iowa, accountant, was interviewed on 20 June 1949. Miss TAYLOR stated that she has known Mr. AHERN for eight years as a member of the community, and believes that he is capable of giving information which is not substantiated by facts. AHERN has written letters to the local newspaper which has caused his family great concern because it jeopardized his son's position. AHERN is eccentric and informant stated that she and her sister have stopped having anything to do with him.
- 4. Mr. Mr. Istantian, Des Moines, Iowa, retired, was interviewed on 20 June 1949. Mr. Mr. stated that he was awakened from a sound sleep by a terrifying light shining through his blinds on 7 April 1949 at 0415 hours. stated that he watched the light from his bed and that it gave off a light brighter than day. It stated that he could see shadows in his back yard, especially the eave from the garage next door, but that it gave or cast no shadow from the telephone pole to the rear of his house. He (the got up and went to the window on the west and watched the light until it disappeared behind the neighbor's house and chimney. stated that he awakened no one in the house because they have two roomers who have to go to work early, and also a young grandchild who, if awakened, will not go to sleep again. ** stated that when he was a young boy fourteen years old he Looked directly into a sun spot, and that this phenomena in the sky is the closest thing he has seen to the sun scot. " stated that looking into that sun spot DOWNER



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GUIDE TO INVESTIGATION UNCLASSIFIED

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UNL	CHIL	CILD	HELLEH	OBJECTS

Incident No.		
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1. Date of Observation 7 April 1949 Date of Interview 20 June 1949

2. Exact time of observation (local) Ouls CST

3. Place of Observation: Des Moines, Iowa (Map Coordinates)

- 4. Position of observer (air, car, bldg, location of give details: Observer was in 2d floor, south-west bedroom, frame house. Object was west south west of him and he observed it from the east.
- 5. What attracted attention to object: I was awakened by a piercing light shining through non-transparent blinds (green). It was lighter than day.

6. Number of objects and sketch of formation or grouping: (ne object (see sketch attached)

- 7. Apparent size (compare to known object, i.e., sun, moon, thumbor or fist at arms length): It was twice the size of a fall moon.
- 8. Color of object: Reddish, yellow and purple, that is, the upper 4/5's.
- 9. Shape (give graphic description compare with known object):
 It resembled the scoop that is used by grocery men in scooping sugar.
- 10. Altitude (Angle of elevation above horizon 00 at horizon, 900 overhead): Angle approximately 30 degrees and 350 feet.
- 11. Direction from observer (Angle clockwise from North):
 When first seen? West south west When last seen? North north west
- 12. Distance from observer (Distance to town, bldg, etc., over which object appeared to be): Approximately 200 feet from obsterver
- 13. Direction of flight of object (s): North
- 14. Time in sight: 12 Minutes; went behind chimmney of neighbor's house. I did not go down stairs to follow it.

15. Velocity (time to cover given angular distance):
35 degree angle and took 12 minutes.

16. Sound and odor: There was no sound or oder

UNCLASSIFIED

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Page 2 Guide to Investigation

Incident No.

17. Trail (color, length, width, persistance, etc.) No trail, no color, length about he over 2 feet, width, less than 2 feet.

color, length about 4" over 2 feet, width, less than 2 feet.

Luminosity (visible by reflection, incandescence, other - degree of brilliance): Brightest thing I have ever seen.incandescence.

- 19. Projections (fins, wings, rods, antennae, canopies, etc.):
 No projections-steady flight, perfect control.
- 20. Maneuvers (turns, climbs, dives, etc. sketch of flight path):
 No maneuvers of any kind-straight flight and disappeared behind neighbor's chimmey.
- 21. Manner of disappearance:
 Around roof of neighbors house and behind the chimmney.
- 22. Effect on clouds: None--not determinable.
- 23. Additional information concerning object:
- 24. Weather conditions and light at time of sighting:
 No adverse weather conditions and no light at time of sighting.

Name and address of observer:
Mr. Market Company Des Moines, Iowa

Occupation and hobbies:

Retired, former, Farmer, Insuranceman Hobbies: Politics Teacher, RR Mail Service

Comments of Interrogator relative to intelligence and character of observer (Check neighbors, police dept., FBI records, employer, etc):

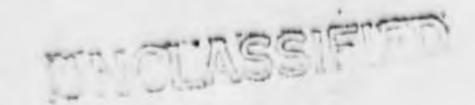
This writer believes this to be publicity stunk which didn't materialize. Subject is fairly intelligent but lacks ambition for doing anything constructive. He is approximately 65 years of age and has no outside interests or within the home. He has read numerous articles on arial phenomena and is more or less intrigued by them. He has much time to do about nothing. He is shabbely dressed and generally unkept. His reasoning has been easily changed to conform to this writers opinion, and would readily change his to conform to what was correct.

Did observer wear glasses, especially polaroid glasses at time of sighting, or was object viewed through canopy, window, or other transparent material? No glasses were used and object was observed through window pane

Listania -is

Incident	No.	
The second secon		

Relative to Radar Sightings



- 1. Re radars now operating on ground
 - a. Observations of direction, range, speed, altitude and size of target:

 Not applicable none in area
 - b. Did target execute any turns? If so, what angle (190°), etc, and what radius of turn. If radius of turn was not observable, how long did the target stay in the turn and what was its speed?

 Not applicable
 - c. Note particularly any separation of distant target into several targets upon approach:

Not applicable

d. Was radar blip on cathode ray tube well defined and consistent with size of object; faint; fading, pulsating at regular rate:

Not applicable

- e. Did radar echo signal disappear suddenly or gradually?

 Not applicable
- 2. If airbourne, when object was sighted Not applicable
 - a. Were there any radar indications or extra noise on radio circuits:

 Not applicable
 - b. Give estimates of size, speed, maneuvers, etc.:

GENERAL

1. Teletype sequences of local weather conditions:
AT 01:09, 7 April 1919, Des Moines, Iowa, U. S. Court House
Ceiling; 25,000', thin broken clouds, lower thin scattered clouds, 12,000',
Visibility; 12 miles, surface winds, wsw 03 knots, Barameteric Press: 29.89.

2. Winds aloft report:
AT 0300, 7 April 1949, Des Moines, Iowa, Airport Weather Station.
Surface: from 320 at 03 knots

2000 : 310 11 3000 : 300 15 4000 : 300 19 5000 : 300 2h 6000 : 300 28 7000 : 300 32 9000 : 310 35 10000 : 310 38

Liste